

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please ADD claim.32, AMEND claims 1, 17 and 31 and CANCEL claims 9-16 in accordance with the following:

1. (currently amended) An analysis support apparatus for supporting an analysis apparatus performing an analysis using geometric data to check characteristics of a structure represented by the geometric data, comprising:
 - a specifying unit specifying one or more types of analyses from among plural types of analyses;
 - an obtaining unit obtaining necessary conditions from among necessary analytical conditions of the plurality of analyses based on the specified types of analyses; and
 - a generating unit generating analytical data formed by at least the obtained analytical conditions and the geometric data corresponding to the specified types of analyses as integrated data and outputting to the analysis apparatus.
2. (original) The apparatus according to claim 1, wherein said analytical data is generated using the obtained analytical conditions as header information about the geometric data.
3. (original) The apparatus according to claim 1, wherein said analytical conditions are extracted by selecting a type of a property of a structure indicated by the geometric data and a corresponding property value.
4. (original) The apparatus according to claim 1, wherein said analytical conditions include an upper limit of a mesh size when a mesh is generated to obtain analytical data.
5. (original) The apparatus according to claim 1, wherein said analytical conditions include a contact setting of a part boundary.

6. (original) The apparatus according to claim 1, wherein said analytical conditions include a plurality of dimension values or property values provided for selection of an optimum value.

7. (original) The apparatus according to claim 1, wherein said analytical conditions include settings of a shell representation of parts geometric data and of parts weights.

8. (original) The apparatus according to claim 1, wherein said analytical conditions include a wavelength of an electromagnetic field in an electromagnetic analysis.

9-16. (cancelled)

17. (currently amended) A computer-readable storage medium storing a ~~program~~ computer-readable code for directing an information processing device ~~for performing~~ an analysis using geometric data to check characteristics of a structure represented by the geometric data, comprising:

specifying one or more types of analyses from among plural types of analyses;
obtaining necessary conditions from among necessary analytical conditions of the plurality of analyses based on the specified types of analyses; and
generating analytical data formed by at least the obtained analytical conditions and the geometric data corresponding to the specified types of analyses as integrated data and storing said analytical data.

18. (previously presented) The storage medium according to claim 17, wherein said analytical data is generated using the obtained analytical conditions as header information about the geometric data.

19. (previously presented) The storage medium according to claim 17, wherein said analytical conditions are extracted by selecting a type of a property of a structure indicated by the geometric data and a corresponding property value.

20. (previously presented) The storage medium according to claim 17, wherein said analytical conditions include an upper limit of a mesh size when a mesh is generated to obtain analytical data.

21. (previously presented) The storage medium according to claim 17, wherein said analytical conditions include a contact setting of a part boundary.

22. (previously presented) The storage medium according to claim 17, wherein said analytical conditions include a plurality of dimension values or property values provided for selection of an optimum value.

23. (previously presented) The storage medium according to claim 17, wherein said analytical conditions include settings of a shell representation of parts geometric data and of parts weights.

24. (previously presented) The storage medium according to claim 17, wherein said analytical conditions include a wavelength of an electromagnetic field in an electromagnetic analysis.

25. (original) The apparatus according to claim 1, wherein said generating unit further generates the analytical data formed by the specified types of analyses.

26. (canceled)

27. (previously presented) The storage medium according to claim 17, wherein said generating unit further generates the analytical data formed by the specified types of analyses.

28. (original) The apparatus according to claim 1, wherein said obtaining unit obtains a property value which is a necessary analytical condition in the specified analysis from a material database.

29. (canceled)

30. (previously presented) The storage medium according to claim 17, wherein

said obtaining unit obtains a property value which is a necessary analytical condition in the specified analysis from a material database.

31. (previously presented) A method of analytical program set-up, comprising:
allowing a user to specify a type of analysis to be performed by an analytical program and necessary parameters for the analysis; and
integrating the type and parameters into a header for geometric data used in the analysis by the analytical program and outputting to a storage unit.

32. (new) A method, comprising:
allowing a user to specify a type of analysis to be performed by an analytical program and necessary parameters for the analysis; and
integrating the type and parameters with geometric data to form integrated data and outputting to a storage unit.